

Work Order ID 135724

Tuesday, August 18, 2015 10:18:05 AM

135724

Page 1

Item ID: D4777-1 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: Rod End Bearing
 Start Date: 8/18/2015 Start Qty: 8.00 ***8*** Cust Item ID:
 Required Date: 8/18/2015 Req'd Qty: 8.00 ***8*** Customer:
 Reference:

Approvals: Process Plan: MLS Date: AUG 18 2015 Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D4777	A

100 PURCHASING 0.00
100
 Purchasing Memo 0.00
 Purchasing Issue P/O: 29497
 Purchase Part Number: 59915K274 Supplier: Mc Master Carr
 Certificate of conformity is required

CL AUG 18 2015 8

110 Receive & Inspect for Damage & Mat'l Certs 0.00
110
 Packaging Memo 0.00
 Packaging Ensure certificate of conformity is attached

SA SP15-08-21

120 QC6- Inspect dimensions to drawing 0.00
120
 QC Memo 0.00
 Quality Control

(8) DAS
38
9-89
AUG 21 2015

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																																																										
Description Work Order Deviation				Disposition				Completed By																																																									
								Lead hand / Supervisor Approval Verification																																																									
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Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

Tuesday, August 18, 2015 10:18:05 AM

135724

Page 2

N900040100

Setup Start *NS1*

Stop *NS2*

Start Date: 8/18/2015 **Start Qty:** 8.00

g

Cust Item ID:

Required Date: 8/18/2015 **Req'd Qty:** 8.00

g

Customer:

Reference:

Run Start *NR1*

Stop *NR2*

Approvals: **Process Plan:** **Date:** **Tooling:** **Date:**

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Sequence ID/
Work Center ID

Operation Description

Set Up/ Run Hours

Tool ID	Tool #	Plan Code
---------	--------	-----------

Accept Qty	Reject Qty	Reject Number	Insp. Stamp
---------------	---------------	------------------	----------------

130

Identify as per dwg & Stock Location.

0.00

130

Packaging

Memo

0.00

Packaging

140

QC21- Final Inspection - Work Order Release

0.00

140

OC

Memo

0.00

Quality Control

AUG 24 2015

ML5

AUG 24 2015

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AUG 24 2015

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QS1042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabelled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : ☐					

Picklist Print

Tuesday, August 18, 2015 10:18:09 AM

Page 1

Work Order ID: 135724

135724

Parent Item: D4777-1

D4777-1

Parent Item Name: Rod End Bearing

Start Date: 8/18/2015

Required Date: 8/18/2015

Start Qty: 8.00

Required Qty: 8.00

Comments: IPP REV:A 12.10.03 NEW ISSUE DD VERF:JFS

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

59915K274

Purchased

No

110

Each

0.0000

1

8

59915K274

Rod End Bearing

**

EX SP 15-08-21

DQA: _____ Date: _____



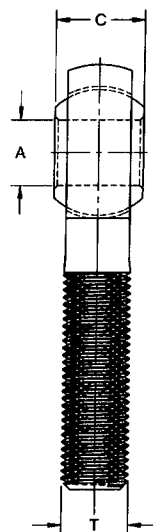
WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

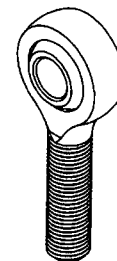
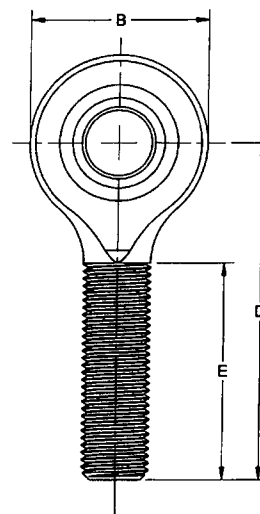
Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐								
Misidentified ☐	Past Due ☐	OTHER :							

SPECIFICATION CONTROL DRAWING



ROD END BEARING



TOP COPY
 ALL P/N TO
 BE BRING
 TO CONTROLLED COPY
 TO ATTENDMENT
 TO POLICE
 ORDER
 135724 M.C.S
 15-08-18

DART P/N	HOUSING MATERIAL	A	B	C	D	E	T (THREAD SIZE)	SUGGESTED SUPPLIER	SUGGESTED SUPPLIER P/N
D4777-1	STAINLESS STEEL	Ø0.38	1.00	0.500	1.94	1.25	3/8-24 (RIGHT HAND)	MC MASTER CARR	59915K274

RELEASED
 2013-08-14

A	NEW ISSUE	AJS	13.08.08
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS		
DRAWN	AJS		
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	13.08.08		

DART AEROSPACE LTD
 HAWKESBURY, ONTARIO, CANADA

DRAWING NO. **D4777** REV. A
 TITLE **ROD END BEARING** SCALE **NTS**

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DART
AEROSPACE

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO29497**

Purchase Order Date 8/18/2015

PO Print Date 8/18/2015

Page Number 3 of 4

Order From :

MCMaster-CARR SUPPLY CO,
P.O. BOX 7690
CHICAGO, IL 60680-7690
US

VU-MCM001

Ship To :

DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 330 995 5500

Ship To Contact

Ship To Phone

Ship Via:

Purolator ground ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 10

Currency

USD

FOB

FCA - (Free Carrier)

6	59915K274	Rod End Bearing	8/21/2015	8.00	\$17.14	\$137.12
			Yes	Each		
			8/21/2015			

AS PER DWG D4777 REV. A
B135724

8/15-08-21

Line Total: \$137.12

7	71500-15	54875A33 SQUARE DRIVE 5/32	8/21/2015	6.00	\$7.68	\$46.08
			Yes	Each		
			8/21/2015			

Line Total: \$46.08

Deliver To: ERIC.L

8	71500-15	91259A534 SHOULDER SCREW	8/21/2015	50.00	\$0.88	\$44.00
			Yes	Each		
			8/21/2015			

Line Total: \$44.00

Deliver To: ERIC.L

Note:

8/18/2015



Packing List

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada
Attention: Eric.L

Purchase Order
PO29497

Order Placed By
Chantal Lavoie

McMaster-Carr Number
7489206-02

Page 1 of 1

08/18/2015

Line	Product	Ordered	Shipped
1	91343A100 Type 316 Stainless Steel Serrated-Flange Locknut, 1/4"-20 Thread, 19/32" Flange Diameter, 15/64" Overall HT., Packs of 10	5 Packs	5
2	97787A661 Expanding Diameter Quick-Release Pin, 1/4" Diameter, 1" Usable Length	6 Each	6
3	6718K52 Stainless Steel Industrial-Shape Hose Coupling, Plug, 1/4" NPTF Female, 1/4 Coupling Size	10 Each	10
4	30365T35 Cast Type 316 Stainless Steel Eye and Clevis Swivel, 5/8" Diameter, 4675# Work Load Limit	10 Each	9
5	90261A154 Helical Insert Installation Tool, 10-24 Internal Thread	1 Each	1
6	59915K274 PTFE-Lined Stainless Steel Ball Joint Rod End, 3/8"-24 Right-Hand  Shank, 3/8" Ball ID, 1-1/4" L Thread	8 Each	8
7	54875A33 1/4" Square Drive Hex Bit Socket, 5/32" Extra Short, 1-1/16" Overall Length, Chrome	6 Each	6
8	91259A534 Alloy Steel Shoulder Screw, 1/4" Diameter X 5/16" Long Shoulder, 10-24 Thread	50 Each	50

Shipped separately from our Chicago warehouse on 08/18

4	30365T35 Cast Type 316 Stainless Steel Eye and Clevis Swivel, 5/8" Diameter, 4675# Work Load Limit	10 Each	1
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SPK-08-21

McMaster-Carr Supply Company
200 Aurora Industrial Pkwy
Aurora, OH 44202-5087 USA
Phone: 330-995-5500 Fax: 330-995-9600
E-Mail: cle.sales@mcmaster.com
Employer Identification Number (EIN): 36-1458720

Invoice: 36990004
Purchase Order: PO29497
Release:
McMaster-Carr Number: 7489206-02

ORIGINAL COMMERCIAL
INVOICE
CERTIFICATE OF ORIGIN

Ultimate Destination:
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Shipped: 18-Aug-2015 FOB: ORIGIN
Shipper's Export Declaration (SED):
NO EEI 30.36

Intermediate Consignee:

Bill To:
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Tax Number:

Forwarding Agent:

Billing
Attention:
Shipping Eric.L
Attention:
Contact:

Line	Description	Qty & Unit	Unit Price	Extension
1	91343A100 Type 316 Stainless Steel Serrated-Flange Locknut, 1/4"-20 Thread, 19/32" Flange Diameter, 15/64" Overall HT., Packs of 10 Country of Origin: Taiwan Schedule B #: 731816 ECCN #: EAR99 NLR	5 PK	\$3.83	\$19.15
2	97787A661 Expanding Diameter Quick-Release Pin, 1/4" Diameter, 1" Usable Length Country of Origin: United States Schedule B #: 731829 ECCN #: 9A991 NLR	6 EA	\$114.68	\$688.08
3	6718K52 Stainless Steel Industrial-Shape Hose Coupling, Plug, 1/4" NPTF Female, 1/4 Coupling Size Country of Origin: United States Schedule B #: 848190 ECCN #: 2B999 NLR	10 EA	\$5.64	\$56.40
4	30365T35 Cast Type 316 Stainless Steel Eye and Clevis Swivel, 5/8" Diameter, 4675# Work Load Limit Country of Origin: Peoples Republic of China Schedule B #: 732690 ECCN #: EAR99 NLR	9 EA	\$69.79	\$628.11
5	90261A154 Helical Insert Installation Tool, 10-24 Internal Thread Country of Origin: United States Schedule B #: 820510 ECCN #: EAR99 NLR	1 EA	\$86.14	\$86.14
Your order is subject only to our terms and conditions, available at www.mcmaster.com or from our Sales Department.				
These commodities, technology, or software were exported from the United States in accordance with Export Administration regulations. Diversion contrary to US law is prohibited.				

Shipping Weight (in kgs): 12 Number of Packages: 1

Invoice Amounts:
Merchandise Amount: \$1,705.08
Canadian GST/HST: \$224.10
Shipping Charges: \$18.80
Total (In USD): \$1,947.98

Package Dimensions:
47 X 21 X 17 CM = .017 CUBIC M

Payment Terms: 2% discount on merchandise only if paid within 10 days, net 30 days

Authorized Signature: *Sarah Weinberg* Date: 18-Aug-2015

Remit payment to: (by wire transfer)
Bank of America Illinois
231 S LaSalle
Chicago, IL 60697
ABA 071000039 Account 86666-02021
SWIFT BOFAUS3N

Name: Sarah Weinberg Title: Operations Mgr.

McMaster-Carr Supply Company
 200 Aurora Industrial Pkwy
 Aurora, OH 44202-8087 USA
 Phone: 330-995-5500 Fax: 330-995-9600
 E-Mail: de.sales@mcmaster.com
 Employer Identification Number (EIN): 36-1458720

Invoice: 36990004
 Purchase Order: PO29497
 Release:
 McMaster-Carr Number: 7489206-02

ORIGINAL COMMERCIAL
INVOICE
 CERTIFICATE OF ORIGIN

Line	Description	Qty & Unit	Unit Price	Extension
6	59915K274 PTFE-Lined Stainless Steel Ball Joint Rod End, 3/8"-24 Right-Hand Male Shank, 3/8" Ball ID, 1-1/4" L Thread Country of Origin: United States Schedule B #: 848330 ECCN #: EAR99 NLR	8 EA	\$17.14	\$137.12
7	54875A33 1/4" Square Drive Hex Bit Socket, 5/32" Extra Short, 1-1/16" Overall Length, Chrome Country of Origin: United States Schedule B #: 820420 ECCN #: EAR99 NLR	6 EA	\$7.68	\$46.08
8	91259A534 Alloy Steel Shoulder Screw, 1/4" Diameter X 5/16" Long Shoulder, 10-24 Thread Country of Origin: United States Schedule B #: 731815 ECCN #: EAR99 NLR	50 EA	\$0.88	\$44.00
	NOTE Tracking number(s) for this shipment: MFA004372859			

891508-21